

Water Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Plymouth County, Iowa

Map symbol and soil name	Pond reservoir areas		Embankments, dikes, and levees		Aquifer-fed excavated ponds	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
1B3: Ida-----	Somewhat limited Seepage	0.70	Very limited Piping	1.00	Very limited Deep to water	1.00
1C3: Ida-----	Somewhat limited Seepage	0.70	Very limited Piping	1.00	Very limited Deep to water	1.00
1D3: Ida-----	Somewhat limited Seepage Slope	0.70 0.01	Very limited Piping	1.00	Very limited Deep to water	1.00
1E3: Ida-----	Somewhat limited Seepage Slope	0.70 0.06	Very limited Piping	1.00	Very limited Deep to water	1.00
1F3: Ida-----	Somewhat limited Seepage Slope	0.70 0.28	Very limited Piping	1.00	Very limited Deep to water	1.00
1G3: Ida-----	Somewhat limited Slope Seepage	0.72 0.70	Very limited Piping	1.00	Very limited Deep to water	1.00
2G: Hamburg-----	Very limited Slope Seepage	1.00 0.70	Very limited Piping	1.00	Very limited Deep to water	1.00
3F: Castana-----	Somewhat limited Seepage Slope	0.70 0.18	Somewhat limited Piping	0.68	Very limited Deep to water	1.00
10B: Monona-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.24	Very limited Deep to water	1.00
10C2: Monona-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.32	Very limited Deep to water	1.00

FIELD OFFICE TECHNICAL GUIDE Sec. II
ENGINEERING INTERPRETATIONS

Water Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Plymouth County, Iowa

Map symbol and soil name	Pond reservoir areas		Embankments, dikes, and levees		Aquifer-fed excavated ponds	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
10D2: Monona-----	Somewhat limited Seepage Slope	0.70 0.01	Somewhat limited Piping	0.32	Very limited Deep to water	1.00
10E2: Monona-----	Somewhat limited Seepage Slope	0.70 0.06	Somewhat limited Piping	0.32	Very limited Deep to water	1.00
12C: Napier-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.68	Very limited Deep to water	1.00
14D: Castana-----	Somewhat limited Seepage Slope	0.70 0.01	Somewhat limited Piping	0.68	Very limited Deep to water	1.00
18B: Mcpaul-----	Somewhat limited Seepage	0.70	Very limited Piping	1.00	Very limited Deep to water	1.00
Kennebec-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.90	Somewhat limited Deep to water Slow refill Cutbanks cave	0.81 0.30 0.10
19B: Kennebec-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.90	Somewhat limited Deep to water Slow refill Cutbanks cave	0.81 0.30 0.10
Mcpaul-----	Somewhat limited Seepage	0.70	Very limited Piping	1.00	Very limited Deep to water	1.00
26: Kennebec-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.90	Somewhat limited Deep to water Slow refill Cutbanks cave	0.81 0.30 0.10
28B: Dickman-----	Very limited Seepage	1.00	Very limited Seepage	1.00	Very limited Deep to water	1.00

FIELD OFFICE TECHNICAL GUIDE Sec. II
ENGINEERING INTERPRETATIONS

Water Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Plymouth County, Iowa

Map symbol and soil name	Pond reservoir areas		Embankments, dikes, and levees		Aquifer-fed excavated ponds	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
33D3: Steinauer-----	Somewhat limited Seepage Slope	0.05 0.01	Not limited		Very limited Deep to water	1.00
33E3: Steinauer-----	Somewhat limited Seepage Slope	0.05 0.04	Not limited		Very limited Deep to water	1.00
33F3: Steinauer-----	Somewhat limited Slope Seepage	0.24 0.05	Not limited		Very limited Deep to water	1.00
36: Salix-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.29	Very limited Deep to water	1.00
66: Luton-----	Not limited		Very limited Depth to saturated zone Hard to pack	1.00 1.00	Very limited Slow refill Cutbanks cave	1.00 0.10
70: Mcpaul-----	Somewhat limited Seepage	0.70	Very limited Piping	1.00	Very limited Deep to water	1.00
91B: Primghar-----	Somewhat limited Seepage	0.70	Not limited		Somewhat limited Deep to water Slow refill Cutbanks cave	0.81 0.30 0.10
108B: Wadena-----	Very limited Seepage	1.00	Somewhat limited Seepage	1.00	Very limited Deep to water	1.00
114D3: Ida-----	Somewhat limited Seepage	0.70	Very limited Piping	1.00	Very limited Deep to water	1.00
Wadena-----	Very limited Seepage	1.00	Somewhat limited Seepage	1.00	Very limited Deep to water	1.00
116: Graceville-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.98	Very limited Deep to water	1.00

FIELD OFFICE TECHNICAL GUIDE Sec. II
ENGINEERING INTERPRETATIONS

Water Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Plymouth County, Iowa

Map symbol and soil name	Pond reservoir areas		Embankments, dikes, and levees		Aquifer-fed excavated ponds	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
116B: Graceville-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.98	Very limited Deep to water	1.00
133: Colo-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
133+: Colo-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
149: Modale Variant-----	Somewhat limited Seepage	0.70	Somewhat limited Hard to pack Depth to saturated zone	0.96 0.95	Very limited Slow refill Cutbanks cave Deep to water	1.00 0.10 0.02
156: Albaton-----	Not limited		Very limited Depth to saturated zone Hard to pack	1.00 1.00	Very limited Slow refill Cutbanks cave	1.00 0.10
170D: Napier-----	Somewhat limited Seepage Slope	0.70 0.01	Somewhat limited Piping	0.68	Very limited Deep to water	1.00
Castana-----	Somewhat limited Seepage Slope	0.70 0.01	Somewhat limited Piping	0.68	Very limited Deep to water	1.00
189: Omadi-----	Somewhat limited Seepage	0.70	Very limited Piping	1.00	Very limited Deep to water	1.00
212: Kennebec-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.90	Somewhat limited Deep to water Slow refill Cutbanks cave	0.81 0.30 0.10

FIELD OFFICE TECHNICAL GUIDE Sec. II
ENGINEERING INTERPRETATIONS

Water Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Plymouth County, Iowa

Map symbol and soil name	Pond reservoir areas		Embankments, dikes, and levees		Aquifer-fed excavated ponds	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
212B: Kennebec-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.90	Somewhat limited Deep to water Slow refill Cutbanks cave	0.81 0.30 0.10
310B: Galva-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.06	Very limited Deep to water	1.00
310C2: Galva-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.06	Very limited Deep to water	1.00
310D2: Galva-----	Somewhat limited Seepage Slope	0.70 0.01	Somewhat limited Piping	0.06	Very limited Deep to water	1.00
317C2: Galva-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.06	Very limited Deep to water	1.00
Wadena-----	Very limited Seepage	1.00	Somewhat limited Seepage	1.00	Very limited Deep to water	1.00
378: Rough Broken Land---	Not rated		Not rated		Not rated	
467: Radford-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00 0.16	Somewhat limited Slow refill Cutbanks cave Deep to water	0.30 0.10 0.01
467B: Radford-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00 0.16	Somewhat limited Slow refill Cutbanks cave Deep to water	0.30 0.10 0.01
478: Steep Rock Land-----	Not rated		Not rated		Not rated	

FIELD OFFICE TECHNICAL GUIDE Sec. II
ENGINEERING INTERPRETATIONS

Water Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Plymouth County, Iowa

Map symbol and soil name	Pond reservoir areas		Embankments, dikes, and levees		Aquifer-fed excavated ponds	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
607: Salix Variant-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.29	Very limited Deep to water	1.00
609: Omadi-----	Somewhat limited Seepage	0.70	Very limited Piping	1.00	Very limited Deep to water	1.00
Alluvial Land-----	Not rated		Not rated		Not rated	
717C: Napier-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.68	Very limited Deep to water	1.00
Gullied Land-----	Not rated		Not rated		Not rated	
733: Calco-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00 0.01	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
983D: Castana-----	Somewhat limited Seepage Slope	0.70 0.01	Somewhat limited Piping	0.68	Very limited Deep to water	1.00
Gullied Land-----	Not rated		Not rated		Not rated	
C212: Kennebec-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.90	Somewhat limited Deep to water Slow refill Cutbanks cave	0.81 0.30 0.10
T10B: Monona-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.24	Very limited Deep to water	1.00
T310: Galva-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.06	Very limited Deep to water	1.00

FIELD OFFICE TECHNICAL GUIDE Sec. II
ENGINEERING INTERPRETATIONS

Water Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Plymouth County, Iowa

Map symbol and soil name	Pond reservoir areas		Embankments, dikes, and levees		Aquifer-fed excavated ponds	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
T310B: Galva-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.06	Very limited Deep to water	1.00